

INTERNATIONAL SEARCH REPORT

ational Application No

/GB2004/002589

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/82 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, Sequence Search, WPI Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ERKKILA M J ET AL: "Allele-dependent barley grain beta-amylase activity" PLANT PHYSIOLOGY, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US, vol. 117, no. 2, 1998, pages 679-685, XP002961797 ISSN: 0032-0889 figure 2	16,17
X	-& DATABASE EMBL 23 October 1998 (1998-10-23), ERKKILA M.J. ET AL: XP002295276 retrieved from EBI Database accession no. AF061203 nts: 426-547 ----- -/--	16,17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

7 September 2004

Date of mailing of the International search report

22/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 677 474 A (ROGERS JOHN C) 14 October 1997 (1997-10-14) column 4, line 49 - column 5, line 25 column 13, line 28 - line 31; example 3	1-17
Y	LAZARO A ET AL: "SIGNAL PEPTIDE HOMOLOGY BETWEEN THE SWEET PROTEIN THAUMATIN II AND UNRELATED CEREAL ALPHA AMYLASE-TRYPSIN INHIBITORS" FEBS LETTERS, vol. 239, no. 1, 1988, pages 147-150, XP002295200 ISSN: 0014-5793 figure 1	1-17
Y	-& DATABASE UNIPROT 1 August 1990 (1990-08-01), LAZARO A. ET AL.: XP002295277 retrieved from EBI Database accession no. P16969 "Comments"	1-17
A	WHITTIER R F ET AL: "STRUCTURE OF THE GENE FOR THE BARLEY THIOL PROTEASE ALEURAIN" PLANT PHYSIOLOGY (ROCKVILLE), vol. 83, no. 4 SUPPL, 1987, page 26, XP002295201 & ANNUAL MEETING OF THE AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ST. LOUIS, MISSOURI, USA, JULY 19-23, ISSN: 0032-0889	
A	WO 98/08961 A (DOAN DANNY N P ; OLSEN ODD ARNE (NO); LINNESTAD CASPER (NO)) 5 March 1998 (1998-03-05)	

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5677474	A	14-10-1997	AU 638409 B2	01-07-1993
			AU 4037289 A	05-03-1990
			EP 0428572 A1	29-05-1991
			JP 4500153 T	16-01-1992
			WO 9001551 A1	22-02-1990
WO 9808961	A	05-03-1998	AU 3781897 A	19-03-1998
			WO 9808961 A2	05-03-1998